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Catalogue of Canadian Forest Inventory Publications and Manuals Catalogue des manuels et publications de l'inventaire des forêts du Canada

K. Nietmann

Information Report/
Rapport d'information PI-X-76E/F
Petawawa National Forestry Institute/
Institut forestier national de Petawawa



INSTITUT FORESTIER NATIONAL DE PETEWAWA

Le mandat de l'Institut forestier national de Petewawa, comme celui des autres établissements du Service canadien des forêts, est de promouvoir une meilleure gestion et une utilisation plus rationnelle des ressources forestières du Canada, pour le bien économique et social de tous les Canadiens. Les objectifs des activités des programmes menés à l'institut appuient ce mandat à travers la découverte, le développement, la démonstration, l'application et le transfert des innovations. En tant qu'institut national, il doit s'attacher à des problèmes qui débordent le cadre régional ou qui nécessitent des compétences particulières de même qu'un équipement non disponible aux installations régionales du Service canadien des forêts. La plupart du temps, ses recherches sont effectuées en étroite collaboration avec le personnel des centres régionaux ou des services forestiers des provinces. Les projets de recherche et les services techniques de l'institut sont regroupés sous six principales activités:

GÉNÉTIQUE FORESTIÈRE ET BIOTECHNOLOGIE - Ce programme encadre des projets sur la génétique forestière, la microbiologie, la micropropagation, la génétique moléculaire et la recherche sur les semences. Il comprend également les services à la clientèle et la banque de semences du Centre national de semences forestières. Ce centre existe depuis longtemps et est lié à plusieurs organismes internationaux.

SYSTÈMES D'AMÉNAGEMENT FORESTIER - Ce programme intègre en recherche et développement, des projets sur les incendies de forêt, la télédétection, la météorologie, la modélisation, la croissance et la récolte, et le RIMA. Il permet ainsi l'élaboration et la démonstration de systèmes d'aménagement forestier.

STATISTIQUES NATIONALES SUR LA RESSOURCE FORESTIÈRE - Communément appelé FORSTATS, ce programme assure la coordination de l'acquisition, de la normalisation et de la publication de statistiques nationales sur les forêts du Canada. Il est aussi chargé de répondre aux demandes de renseignements de la clientèle.

SYSTÈMES DE DONNÉES FORESTIÈRES - Ce programme fournit la compétence et les systèmes informatisés nécessaires à la gestion des données acquises dans le cadre de FORSTATS et des projets de recherche à l'IFNP. Il comprend en outre un service de consultation en informatique pour les hauts fonctionnaires du SCF.

COMMUNICATIONS - Ce programme regroupe les activités de la bibliothèque et des projets touchant la sensibilisation du public, l'information, la rédaction-révision et les publications. L'institut reçoit plus de 20 000 visiteurs chaque année. Le Centre d'accueil, des visites autoguidées et un programme éducatif complet sont ouverts à tous. C'est à l'IFNP que l'on trouve l'entrepôt national de toutes les publications scientifiques du SCF.

LA FORÊT EXPÉRIMENTALE - Outre des peuplements naturels où l'on applique divers traitements dans le cadre de projets de recherche en sylviculture, la Forêt de Petewawa, mesurant 98 km², comprend de vastes superficies de plantations âgées de plus de 60 ans. Ces plantations expérimentales permettent d'obtenir des données sur la croissance et la récolte à la suite d'expériences de culture. Elles fournissent du matériel génétique dont le lignage est répertorié, et se révèlent de plus en plus utiles pour les études sur la micropropagation et la génétique moléculaire. La forêt permet également de mettre à l'essai des stratégies d'aménagement forestier à court et à long terme.

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Information Report/Rapport d'information PI-X-76E/F

K. Nietmann

**Forest Inventory Program/
Programme d'inventaire forestier**

**Petawawa National Forestry Institute/
Institut forestier national de Petawawa
Canadian Forestry Service/
Service canadien des forêts**

**in cooperation with the/
avec la coopération du**

**Canadian Forest Inventory Committee/
Comité canadien de l'inventaire forestier**

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INTRODUCTION

In order to promote sharing of forest inventory methods, the Canadian Forest Inventory Committee (CFIC) decided to prepare a list of all forest inventory-related publications and manuals produced or used by the provinces and territories and by the Canadian Forestry Service. Special interest was expressed in unpublished manuals and technical instructions that otherwise would rarely be known outside the source agency.

The list is being continuously updated, and contributions are solicited, preferably with one copy of each document. An updated list will be published each year as a Canadian Forestry Service information report. New contributions should arrive at the Petawawa National Forestry Institute (PNFI) by July 31 if they are to be included in the next edition of the catalogue. A current listing of publications and manuals is available on request to Katja Nietmann, PNFI, who can be contacted at (613) 589-2880, ext. 141. The Institute will attempt to obtain and maintain a copy of each document listed. Samples of forest stand maps will also be sought from the provinces. They will be for reference only, by staff and visitors, and not for distribution.

The catalogue is arranged alphabetically, by province. An upper-case letter in the margin indicates a copy of the document has been sent to the Forest Inventory Project, FORSTATS Program, PNFI. A lower-case letter means the province or territory currently retains all copies of the document. The letters in the margin are also significant in another way. The letter 'A' or 'a' indicates that the document has been published, and is available to anyone. 'B' or 'b' indicates that the document is internal to the source, and available on request to the source.

Also included is a list of provinces that have provided a sample forest stand map.

En vue d'encourager le partage de connaissances au niveau des méthodes d'inventaire forestier, le Comité canadien de l'inventaire forestier a décidé de préparer une liste de tous les manuels et documents traitant de l'inventaire forestier, et produits ou utilisés par les provinces, les territoires ou le Service canadien des forêts.

Le répertoire trouve sa raison d'être dans la possibilité de diffuser l'information contenue à l'intérieur des manuels, instructions techniques et autres documents non-publiés qui sont rarement connus à l'extérieur de la source.

Cette liste étant mise à jour continuellement, la participation des intervenants du secteur de l'inventaire forestier est sollicitée et prend la forme d'une communication concernant les changements effectués dans la liste (ajouts, modifications, etc.). L'envoi d'un exemplaire des documents mentionnés auparavant sert à la mise en place d'une banque d'information accessible pour toutes les personnes qui en feront la demande.

Chaque année, un rapport d'information publié et distribué par le Service canadien des forêts dresse une liste révisée des écrits touchant l'inventaire des forêts au Canada. Or, pour être inclus dans la nouvelle parution du catalogue, les modifications doivent parvenir à l'Institut forestier national de Petawawa avant le 31 juillet. Notez, toutefois, qu'il est toujours possible de connaître les changements apportés à la liste en téléphonant Katja Nietmann, à l'IFNP, au numéro suivant : (613) 589-2880, poste 141.

L'IFNP désire mettre à la disposition (pour consultation seulement) des personnes intéressées, l'information relative aux méthodes d'inventaire forestier. Cela se traduit par la possession de l'ensemble des documents répertoriés dans le catalogue, ainsi que des échantillons des cartes de recouvrement forestier utilisées pour l'inventaire forestier dans l'ensemble du Canada.

Dans le catalogue, les provinces sont rangées par ordre alphabétique. Une lettre majuscule dans la marge indique que le Programme d'inventaire forestier de l'IFNP a reçu une copie de ce document. Une lettre minuscule signifie que la province ou le territoire conserve toutes les copies du document. Les lettres situées dans la marge ont aussi une signification. Ainsi, un <<A>> ou un <<a>> indique que le document a été publié et est disponible à tout le monde. Un <> ou un <> signifie que le document n'a pas été publié et est disponible seulement sur demande à la source.

Une liste des provinces ayant fournies des exemplaires de cartes de recouvrement forestier est aussi incluse au répertoire.

ALBERTA

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- A Alberta phase 3 forest inventory: Temporary sample plot procedures. Alta. Dept. Energy & Nat. Res. Rep. No. 59. 1985.
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- A Alberta phase 3 forest inventory: Volumes and stem numbers for forest types: Central Alberta, volume sampling regions 4, 5, and 6. Alta. Dept. Energy & Nat. Res. Rep. No. 61c. 1985.
- A Alberta phase 3 forest inventory: Volumes and stem numbers for forest types: Northern Alberta, volume sampling regions 7, 8, and 10. Alta. Dept. Energy & Nat. Res. Rep. No. 61d. 1985.
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FOREST STAND MAPS

The following provinces have provided forest stand maps, as samples of the maps used in Canadian forest inventory, for the forest inventory document library at PNFI.

Alberta
British Columbia
New Brunswick
Newfoundland
Nova Scotia
Ontario
Quebec
Prince Edward Island

CARTES DE RECOUVREMENT FORESTIER

Les provinces suivantes ont fourni des cartes de recouvrement forestier en échantillons des cartes utilisées pour l'inventaire forestier au Canada. Ces exemplaires sont intégrés à la bibliothèque des manuels et documents de l'IFNP.

Alberta
Colombie-Britannique
Nouveau-Brunswick
Terre-Neuve
Nouvelle-Écosse
Ontario
Québec
Île-du-Prince-Édouard

PETAWAWA NATIONAL FORESTRY INSTITUTE

In common with the rest of the Canadian Forestry Service, the Petawawa National Forestry Institute has as its objective the promotion of better management and wiser use of Canada's forest resource to the economic and social benefit of all Canadians. Objectives of program activities carried out at the Institute support this goal through discovery, development, demonstration, implementation, and transfer of innovations. Because it is a national institute, particular emphasis is placed on problems that transcend regional boundaries or that require special expertise and equipment that cannot be duplicated in CFS regional establishments. Such research is often performed in close cooperation with staff of the regional centres or provincial forest services.

Research initiatives and technical services at the Institute encompass six major activities:

FOREST GENETICS AND BIOTECHNOLOGY — Integrates projects in tree genetics, soil microbiology, micro-propagation, molecular genetics, and seed research. It also includes the client services and seed bank operations of the National Tree Seed Centre, a long-standing program with extensive international affiliations.

FOREST MANAGEMENT SYSTEMS — This program integrates projects in fire, remote sensing, meteorology, modelling, growth and yield, and FIDS to provide research and development for the formulation and demonstration of forest management systems.

NATIONAL FOREST RESOURCE STATISTICS — Widely known as FORSTATS, this program coordinates the acquisition, standardization, and publication of national statistics on the forests of Canada, and responds to client requests.

FOREST DATA SYSTEMS — Provides the expertise and computer-based systems necessary to manage data acquired through FORSTATS and the research projects at PNFI. Additionally, the program provides informatics advice and service at the CFS corporate level.

COMMUNICATIONS — Integrates activities of the library, public awareness, information, and editing and publications projects. The Institute is visited by more than 20 000 people every year. There is a Visitor Centre for the public, self-guided tours, and an extensive education project. The national repository of all scientific and technical publications of the CFS is at PNFI.

THE RESEARCH FOREST — Besides natural stands manipulated in a variety of ways for silvicultural research, the 98 km² Petawawa Forest contains extensive areas of plantations dating back six decades. Research plantations are a source of growth and yield data derived from cultural experiments, and they are becoming valuable for pedigree genetic materials for micropropagation and molecular genetics studies. The forest also offers opportunities for short- and long-term testing of forest management strategies.